Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/17/2022 09:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124806	-1	1.47	124713	1.46
Blue	F	SSC	125000	123802	-1	2.75	124345	2.69
Blue	E	FITC	13602	13276	-3	2.36	371	13.85
Blue	D	PE	24891	24619	-2	1.74	585	10.62
Blue	B	PerCP-Cy5-5	33972	33572	-2	3.02	962	14.69
Blue	A	PE-Cy7	22865	22650	-1	4.95	472	30.83
Red	C	APC	47198	46638	-2	2.55	1610	11.26
Red	A	APC-Cy7	26454	25518	-4	3.03	720	12.08
Violet	B	V450	6737	6393	-6	3.63	445	11.33
Violet	A	V500	29317	28167	-4	3.25	961	8.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24167	2.46	538	3	N/A	N/A	Pass
Blue	F	SSC	55640	2.10	518	-3	N/A	N/A	Pass
Blue	E	FITC	54	54.62	487	3	0.0393	63	Pass
Blue	D	PE	114	37.53	490	4	0.3473	220	Pass
Blue	B	PerCP-Cy5-5	153	40.56	583	4	0.0204	74	Pass
Blue	A	PE-Cy7	79	78.17	625	4	0.0216	0	Pass
Red	C	APC	338	25.69	572	0	0.0297	226	Pass
Red	A	APC-Cy7	135	34.73	549	-2	0.0068	1602	Pass
Violet	B	V450	76	46.08	449	-1	0.0576	2193	Pass
Violet	A	V500	114	29.38	469	0	0.0241	531	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.66	-31.34	1.03
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.44
Red	16.32	13.90 - 20.86	N/A	N/A	29.57	30.01	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 12320

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments